

# Sequence to Function: Analysis and Applications for the Future (SFA<sup>2</sup>F)

## La Fonda on the Plaza, Santa Fe, NM: September 28-30, 2021

### Call for Abstracts (both talks and posters) Due August 16<sup>th</sup>, 2021

Please join us for our 16<sup>th</sup> annual Genomics meeting with an updated name to better represent our meeting's focus: "Sequencing to Function: Analysis and Applications for the Future (SFA<sup>2</sup>F)" on **September 28<sup>th</sup> - 30<sup>th</sup>** in beautiful, historic Santa Fe, NM...**yes, in person!** The three-day SFA<sup>2</sup>F conference will focus on Next Generation Sequencing technologies, applications, and their effect on the rapidly advancing field of Genomics.

#### Keynote Speakers:

- ♦ [Karen Miga](#), Director, Assistant Professor in the Biomolecular Engineering Department at UCSC and Associate Director at the UCSC Genomics Institute
- ♦ [Sharon Peacock](#), Professor of Public Health and Microbiology in the Department of Medicine, University of Cambridge, and Executive Director and Chair of the COVID-19 Genomics UK (COG-UK) consortium.
- ♦ [Jurgen Richt](#), Director Center of Excellence for Emerging and Zoonotic Animal Diseases (CEEZAD) and Director NIH COBRE Center on Emerging and Zoonotic Infectious Diseases (CEZID).

#### Areas to be emphasized include, but are not limited to the following:

##### Genome Sequencing:

- Sequencing strategies and technology advancements using the various NGS platforms
- *De novo* sequencing, re-sequencing, Human seq., RNA seq., metagenomics, etc.
- Sequencing applications for Single Cell, Metagenomics, Transcriptomics, Diagnostics, and Biosurveillance

##### Genome Assembly:

- *De novo* assemblers for short reads, hybrid assemblers
- Recalling and calibrating genome assemblies
- Single cell and metagenomic assemblies

##### Genome Analysis:

- Comparative genomics, re-sequencing, SNPs, structural variation
- Large scale data management, cloud computing
- Analysis for Forensics, Metagenomics, and Antimicrobial Resistance

##### Applications of NGS:

- Bringing sequence to the clinic (i.e. diagnostics, cancer, inherited disorders)
- Human, non-human, and infectious disease applications
- Gene Editing, Synthetic Genomics, Forensics, Biosurveillance, and Cyberbiosecurity
- AgriGenomics, Livestock Genomics, Plant Genomics
- Global engagement and Partnerships



The conference is being sponsored by some of our favorite genomics & sequencing vendors and is hosted by [Los Alamos National Laboratory](#), thus no registration fee will be charged for general registration this year. Breakfast, lunch and snacks will be provided each day at no additional costs. A block of rooms ([SFAF](#)) has been held at the La Fonda at a special conference rate of \$133 per night. A limited number of extra rooms will also be available the weekend before and after the conference for those that want to enjoy the area a little longer.

The hotel has set up an easy to use reservation link: [La Fonda Hotel](#).

**Meeting registration is limited to 250. Please register soon!**

For abstract submission please use the following email address to submit your abstracts by August 16th.

**Please keep length <500 words, include title, authors (underline presenter), institution and preference of presentation method (Speaker, Poster, Both, Either).** Example template will be posted. ([SFAFabstracts@gmail.com](mailto:SFAFabstracts@gmail.com))

**Our meeting websites should be updated with more info and details for the 2021 meeting soon.**

<https://www.lanl.gov/conferences/sequencing-finishing-analysis-future/index.php> or <http://sfafmeeting.org/index.html>

**If you have any questions, or would like further information, please contact Chris Detter at (505) 699-1996 or [sfafmeeting@gmail.com](mailto:sfafmeeting@gmail.com).**

We look forward to seeing you there!!!

#### The 2021 "Sequencing, Finishing and Analysis in the Future" Organizing Committee:

- \* Chris Detter, Ph.D., Principal Consultant, LBG and CSO, Definitive Biotech
- \* Johar Ali, Ph.D., Director Research, AA Ontario, Canada
- \* Patrick Chain, Ph.D., Bioinformatics Team Leader, LANL
- \* Michael FitzGerald, Microbial Special Projects Manager, Broad Institute
- \* Bob Fulton, M.S., Director of Development, Washington University
- \* Darren Grafham, Manager, Battelle UK limited
- \* Liliana Brown, Ph.D., Director Office of Genomics and Advanced Tech. at NIAID
- \* Alla Lapidus, Ph.D., Director, Centre for Algorithmic Biotechnology, SPbU, Russia

- \* Shawn Starkenburg, Ph.D., Genomics Group Lead, LANL
- \* Donna Muzny, M.Sc., Director of Operations, BCM
- \* Tootie Tatum, Ph.D., MBA, CEO Blackhawk Genomics
- \* Bin Hu, MD, Ph.D., Staff Scientist, Los Alamos National Lab
- \* Teresa Martinez Torres, Ph.D., Sr. Scientist, MRIGlobal
- \* Maryke Appel, Ph.D., Founder & President, EXO Consulting
- \* Kelly Hoon, Executive Sales Specialist, Illumina
- \* Kenny Yeh, Senior Science Advisor, MRIGlobal
- \* Kurt LaButti, Ph.D., Staff Data Scientist, DOE Joint Genome Institute
- \* Shannon Johnson, Ph.D., Staff Scientist, Los Alamos, National Lab